

Appl No. 09/761,766, Group Art Unit To be assigned  
 Dkt No 7659 0610001, Batch No  
 Inventor James L. Richards, Tel 202/371-2600  
 Title System and Method for Medium Wide Band  
 Communication by Impulse Radio

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FIG. 1A

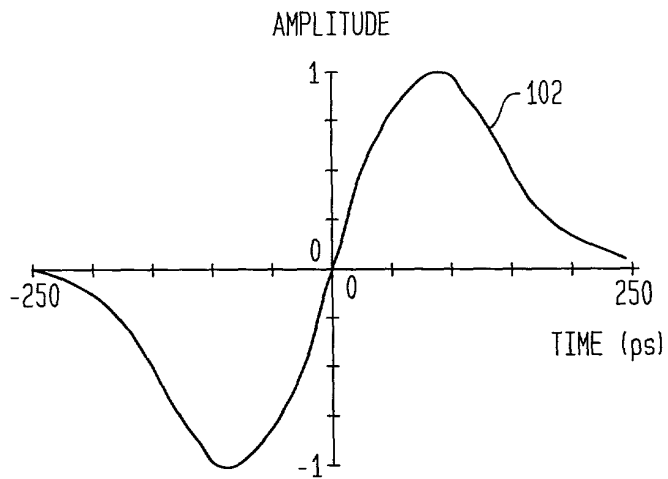
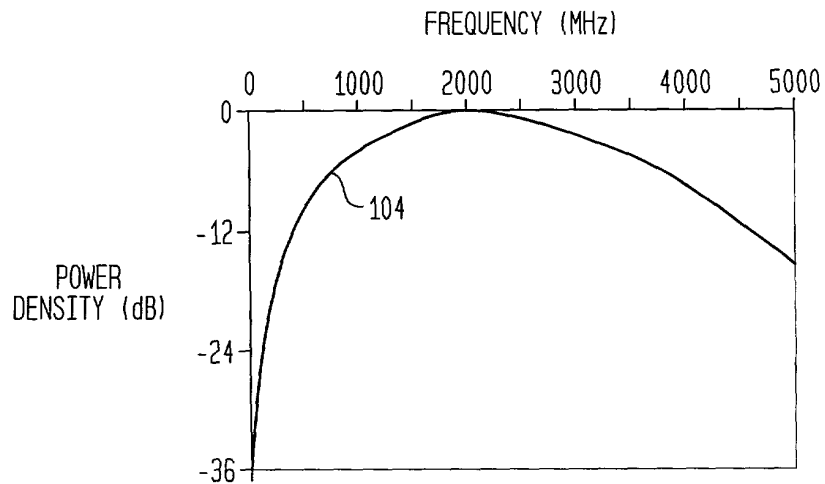


FIG. 1B



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FIG. 2A

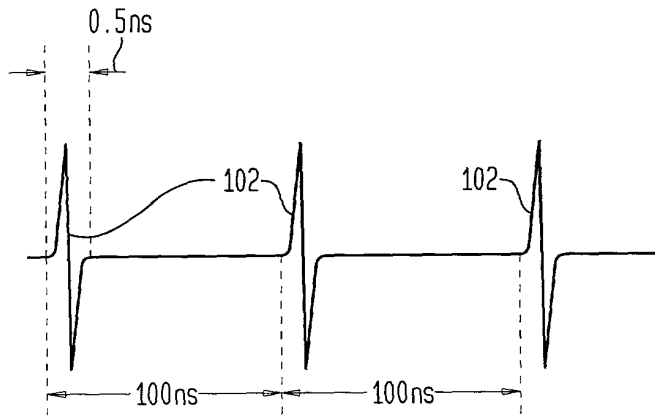


FIG. 2B

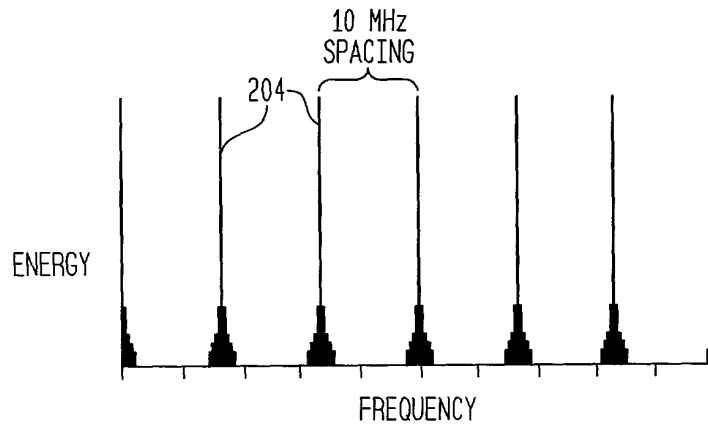
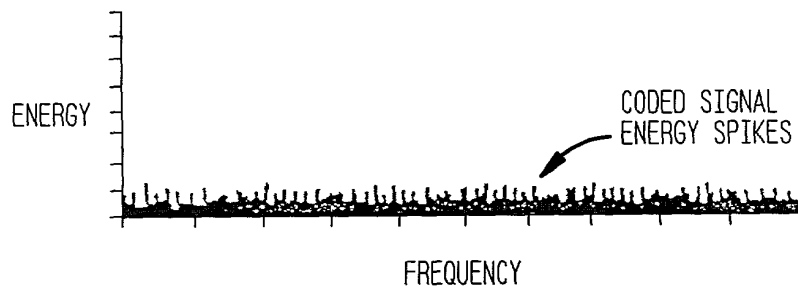
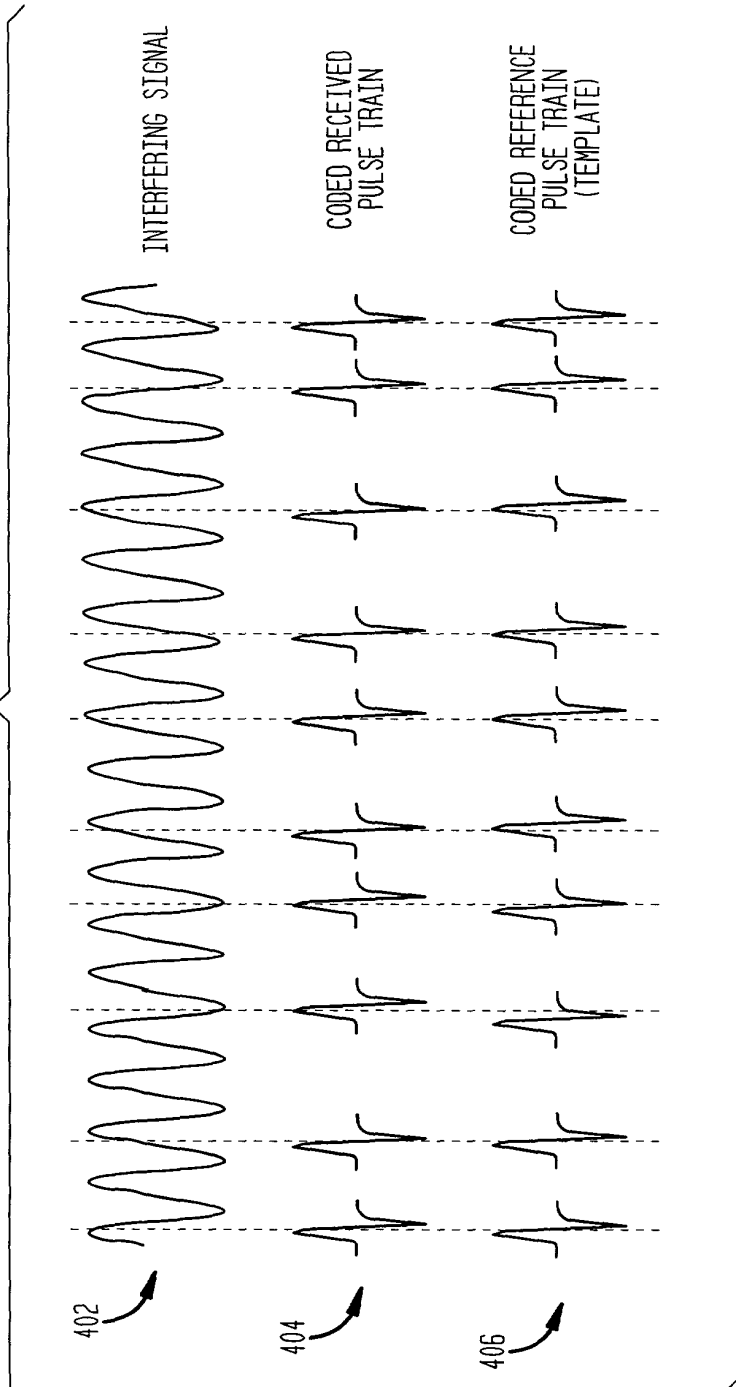


FIG. 3



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FIG. 4



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FIG. 5A

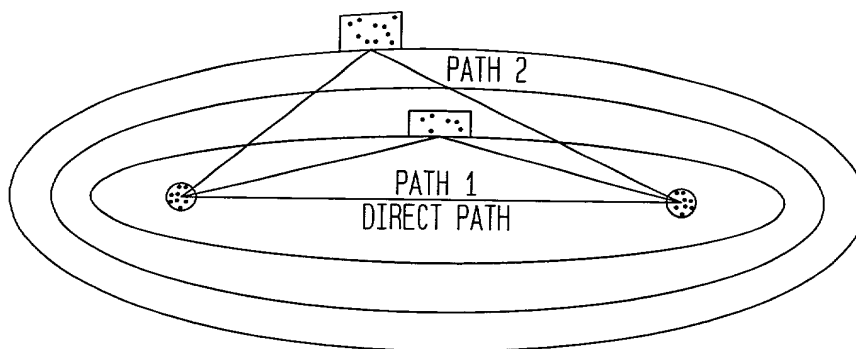
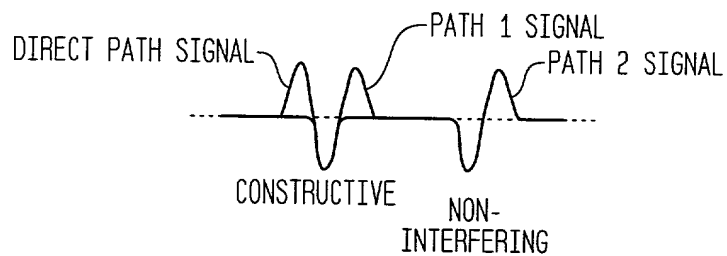


FIG. 5B



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FIG. 7 IMPULSE RADIO RECEIVER

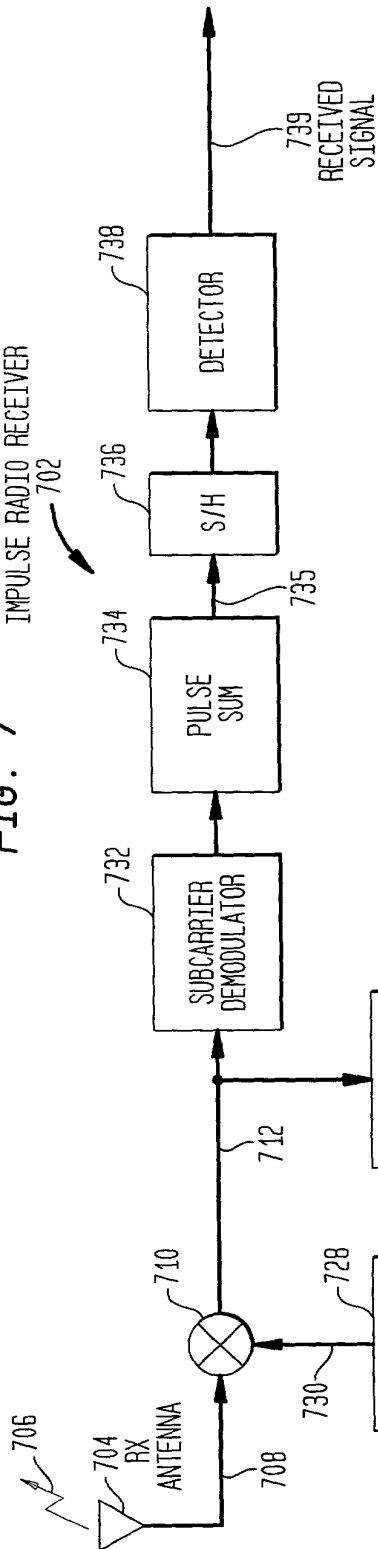
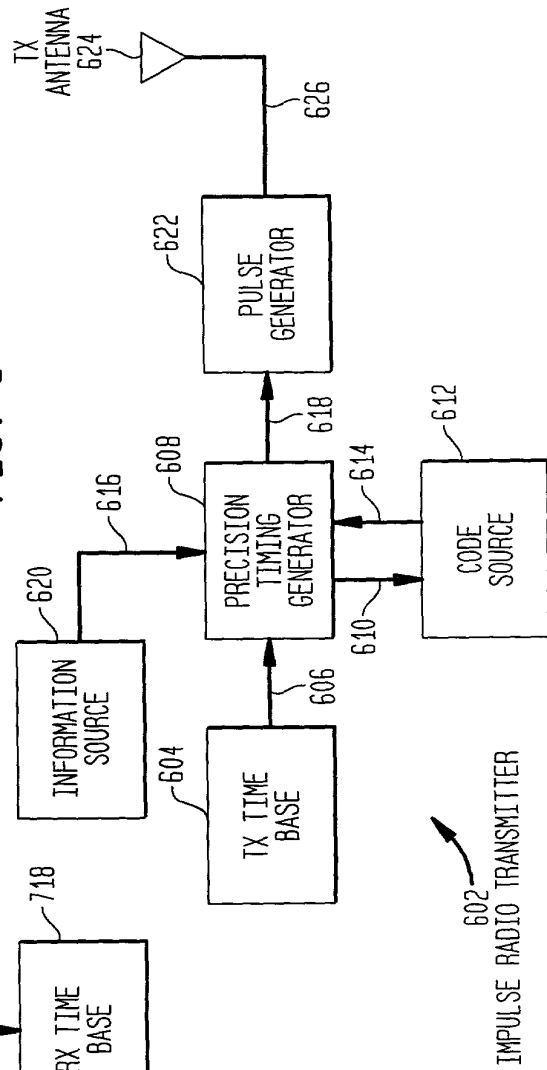


FIG. 6



IMPULSE RADIO TRANSMITTER

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FIG. 8

MWB TRANSMITTER WITHOUT CODING

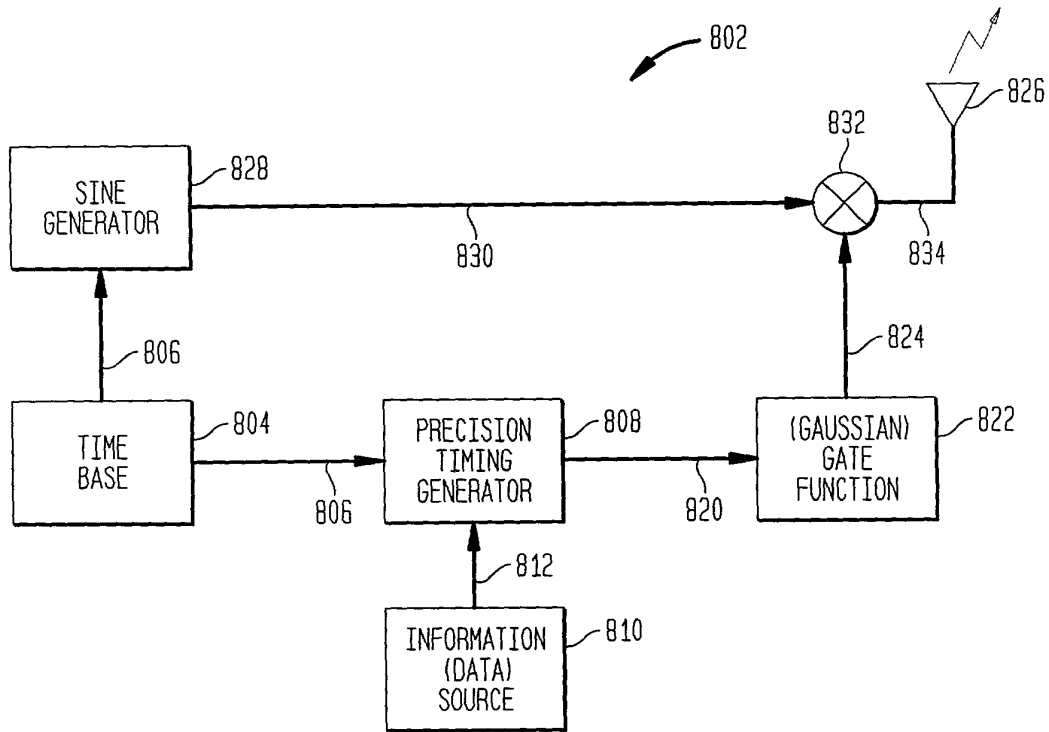
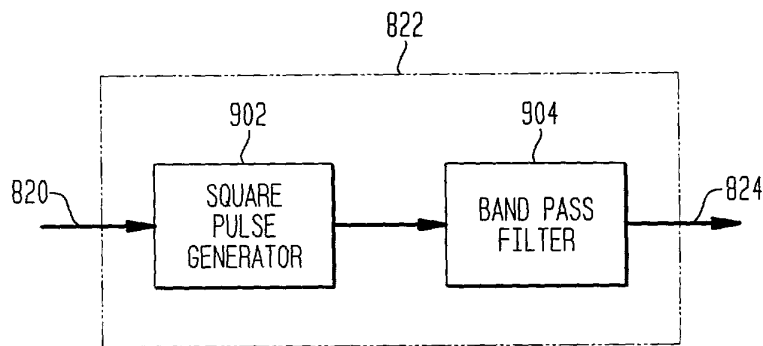


FIG. 9



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FIG. 10A

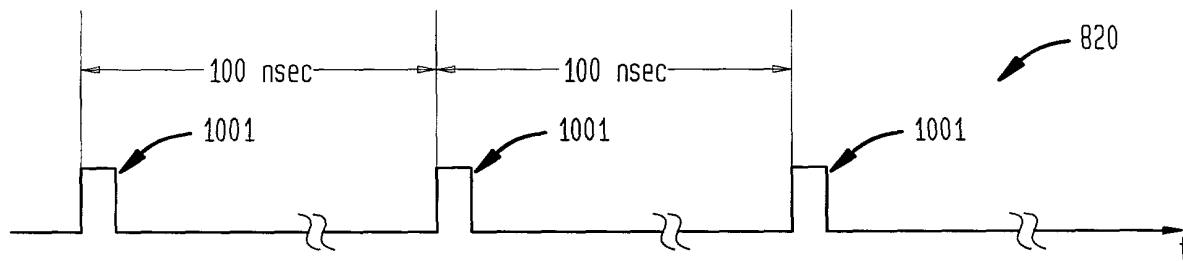


FIG. 10B

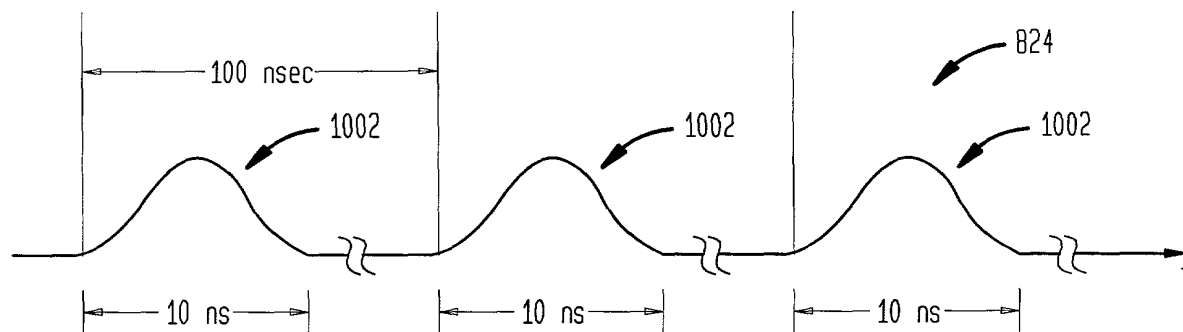


FIG. 10C

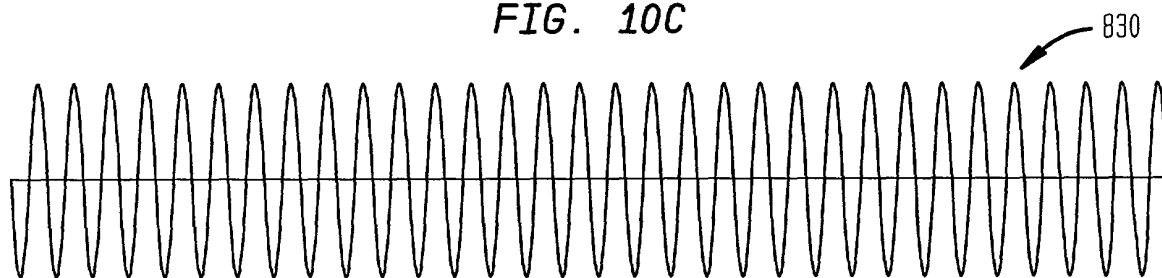
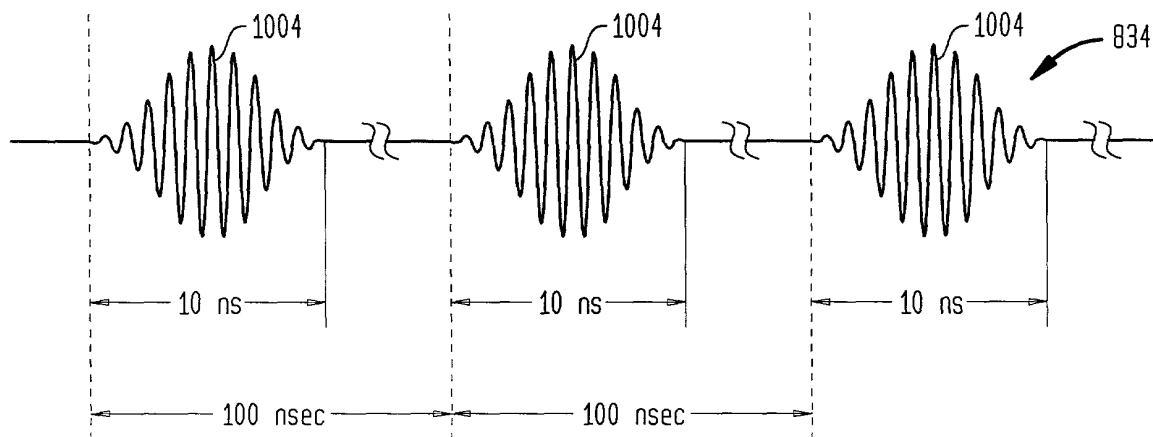
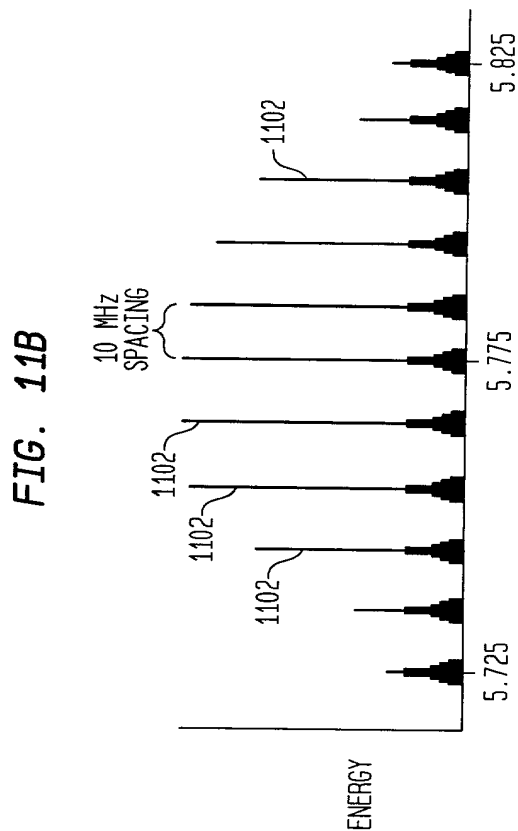
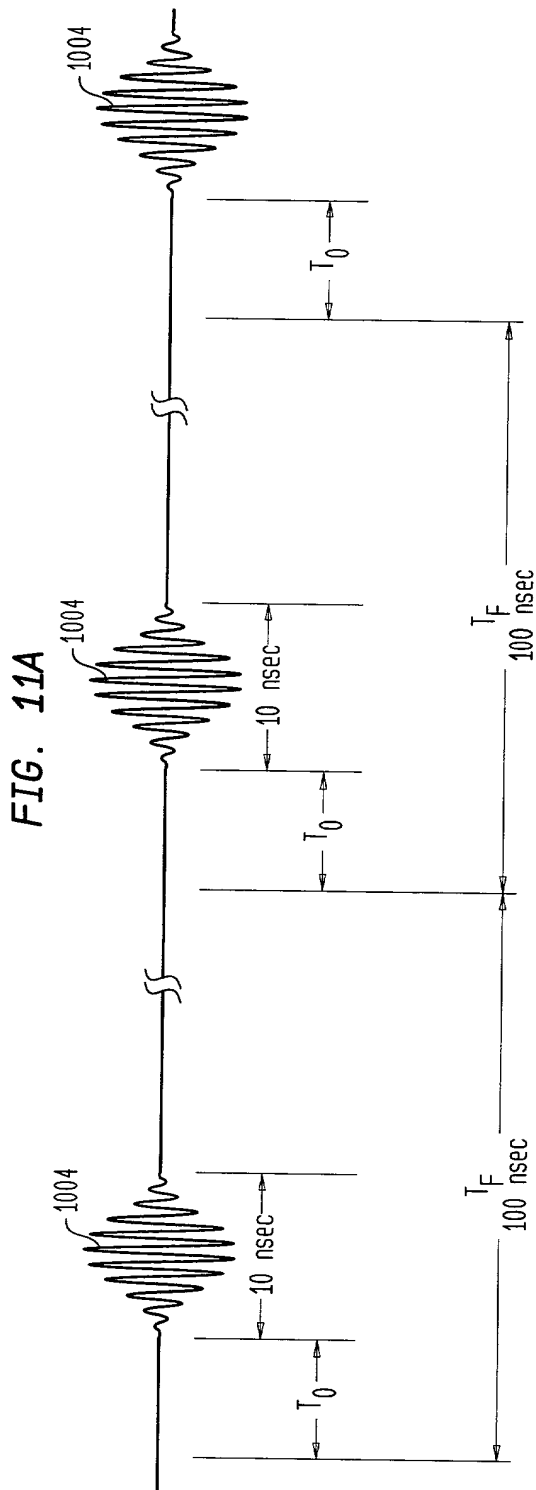


FIG. 10D



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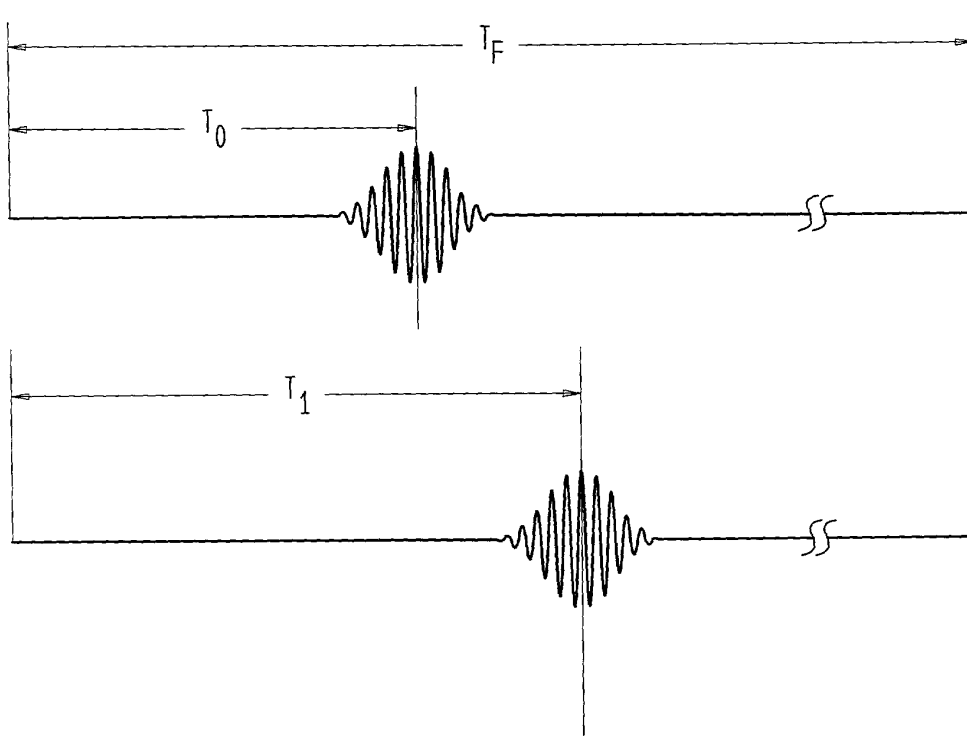




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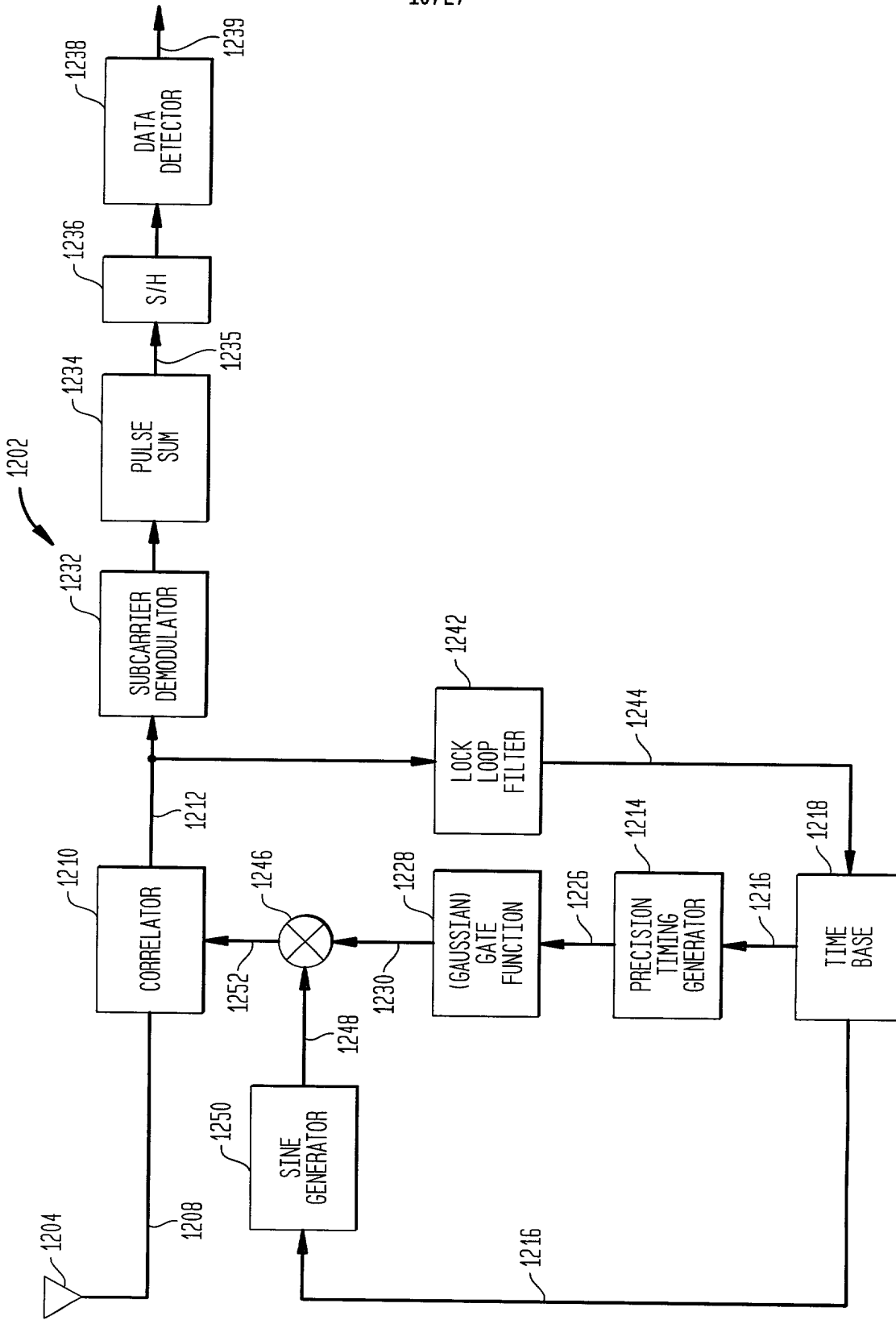
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FIG. 11C



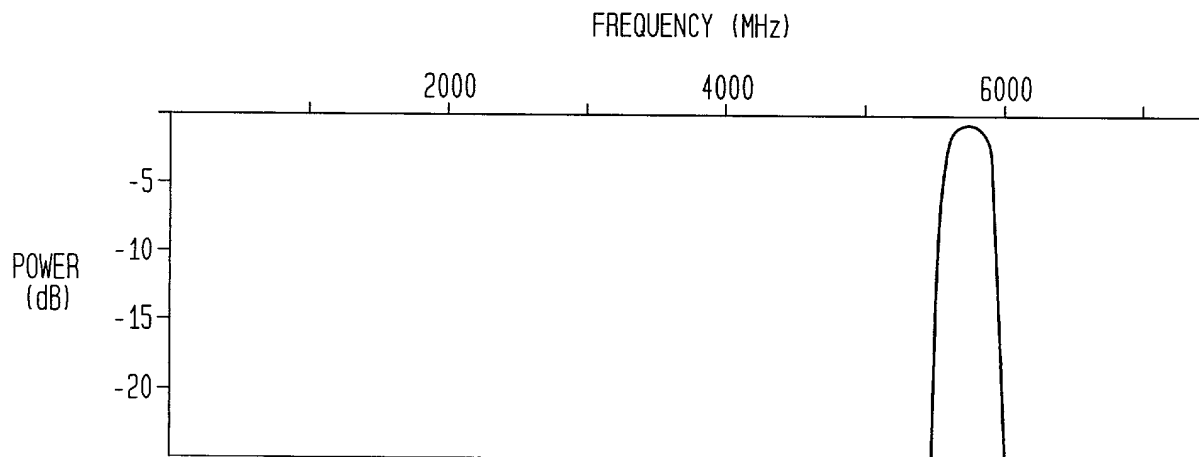
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FIG. 12



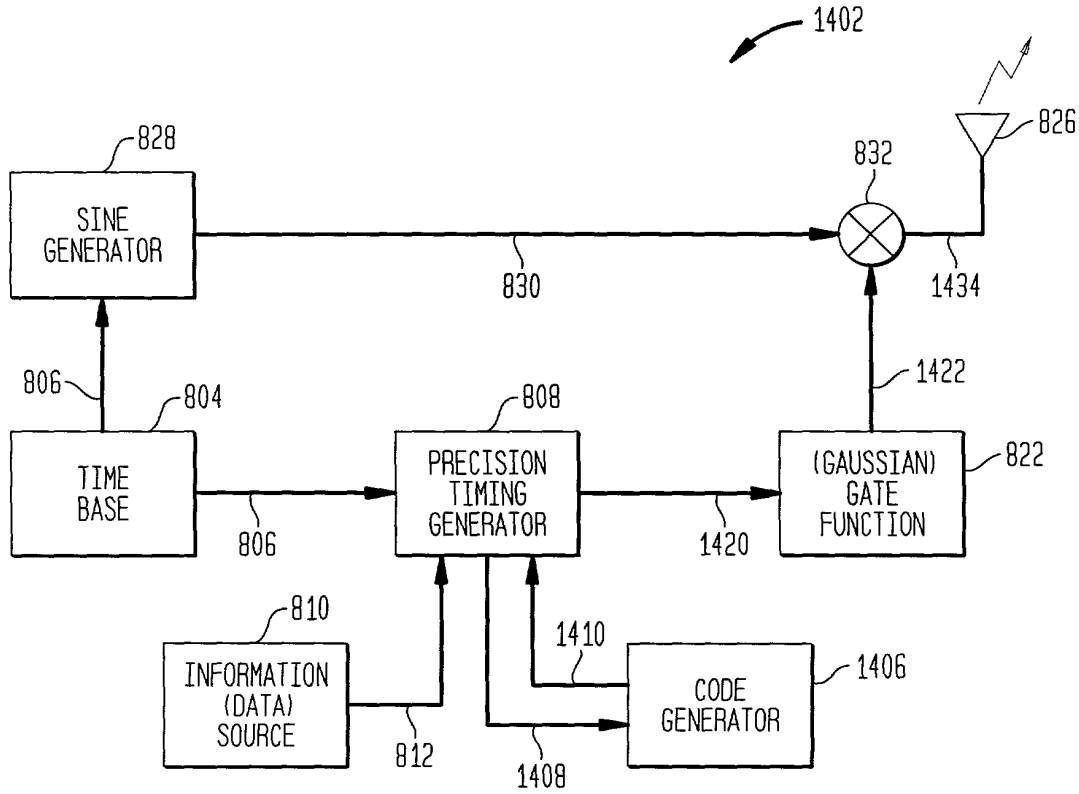
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*FIG. 13*

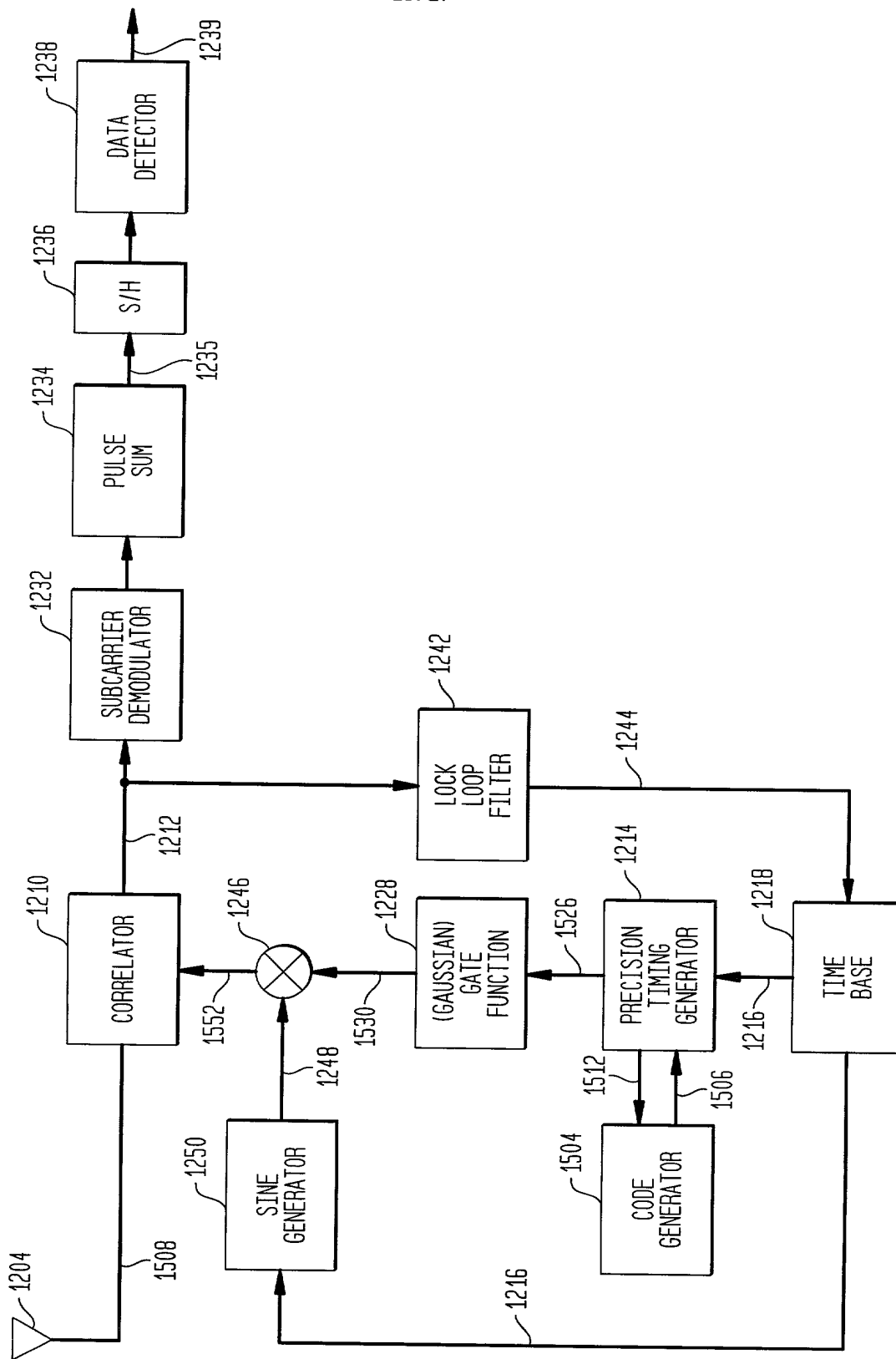
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FIG. 14



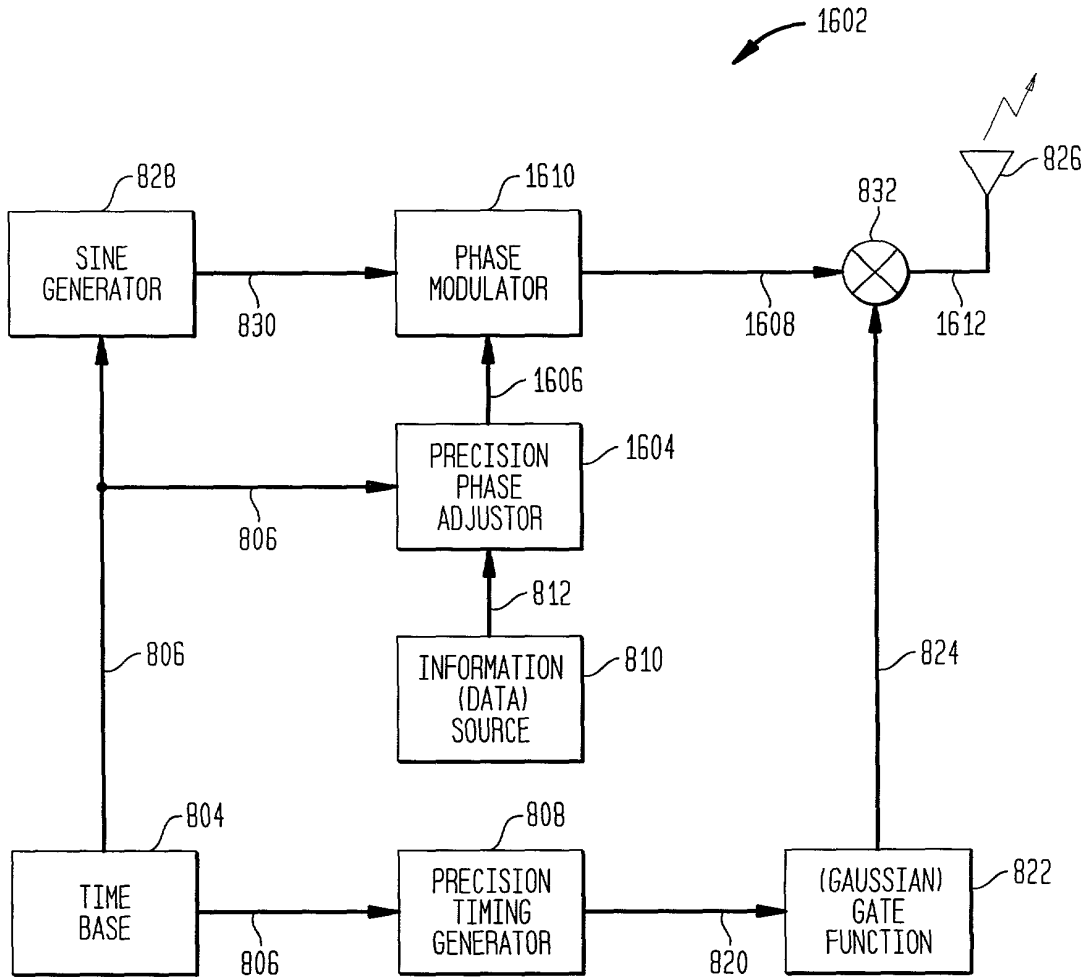
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FIG. 15



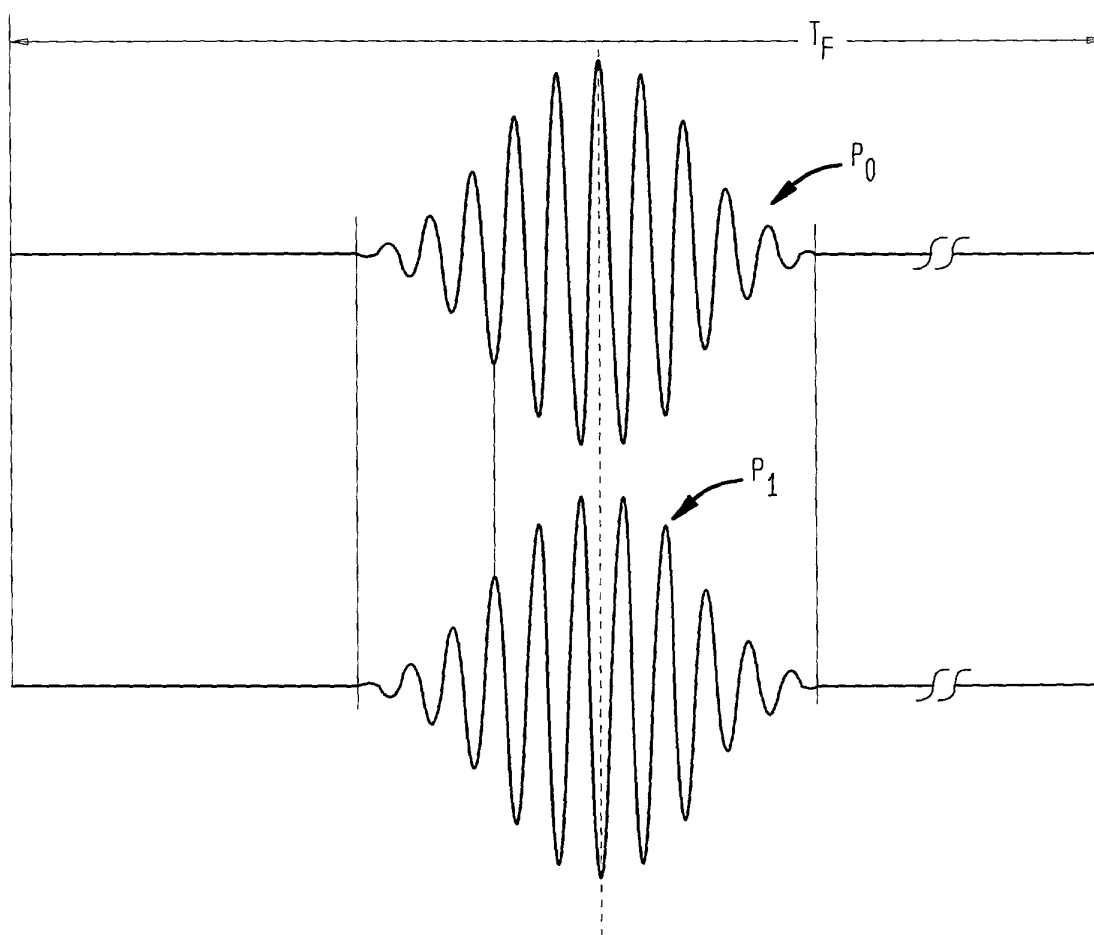
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FIG. 16



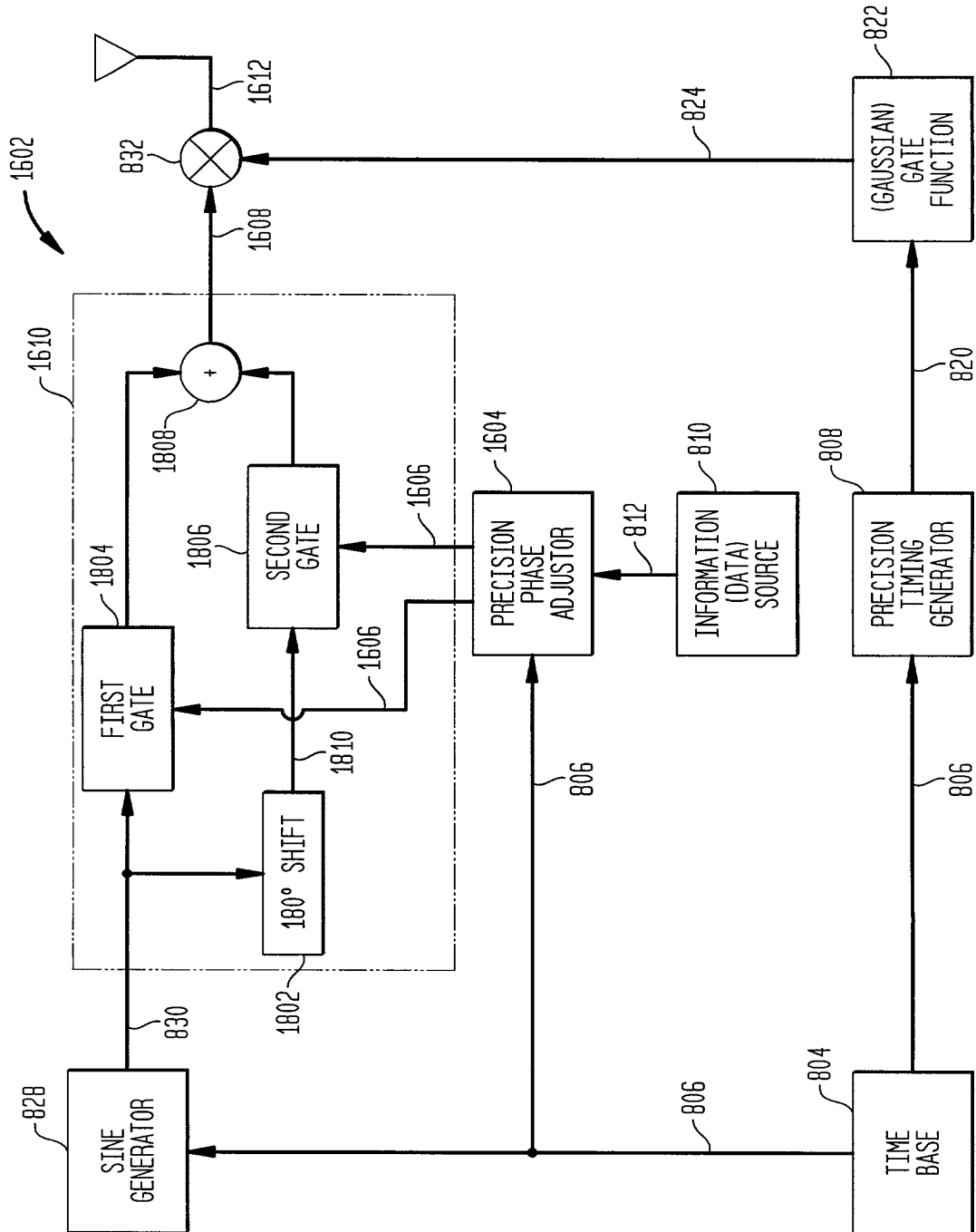
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FIG. 17



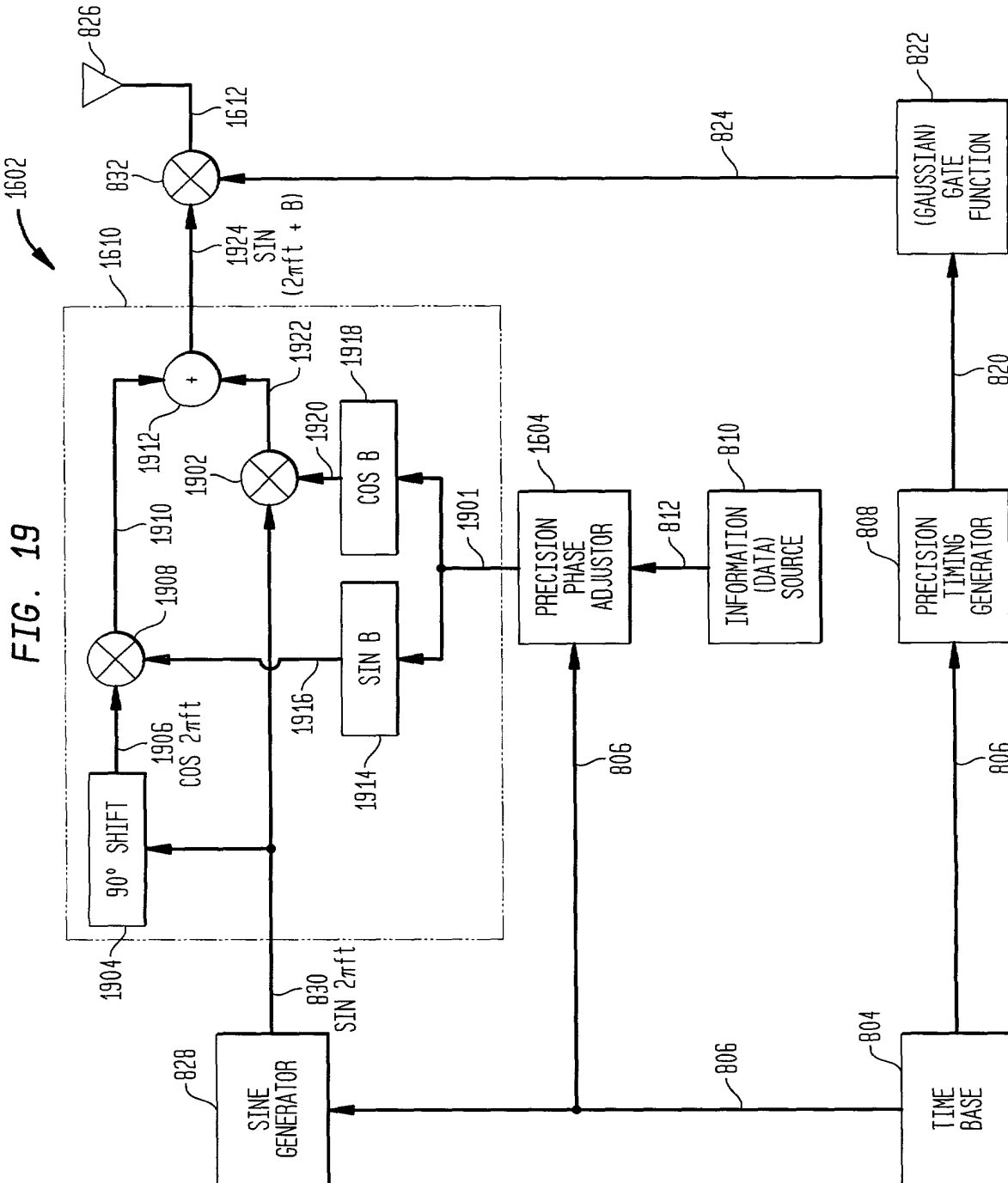
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FIG. 18



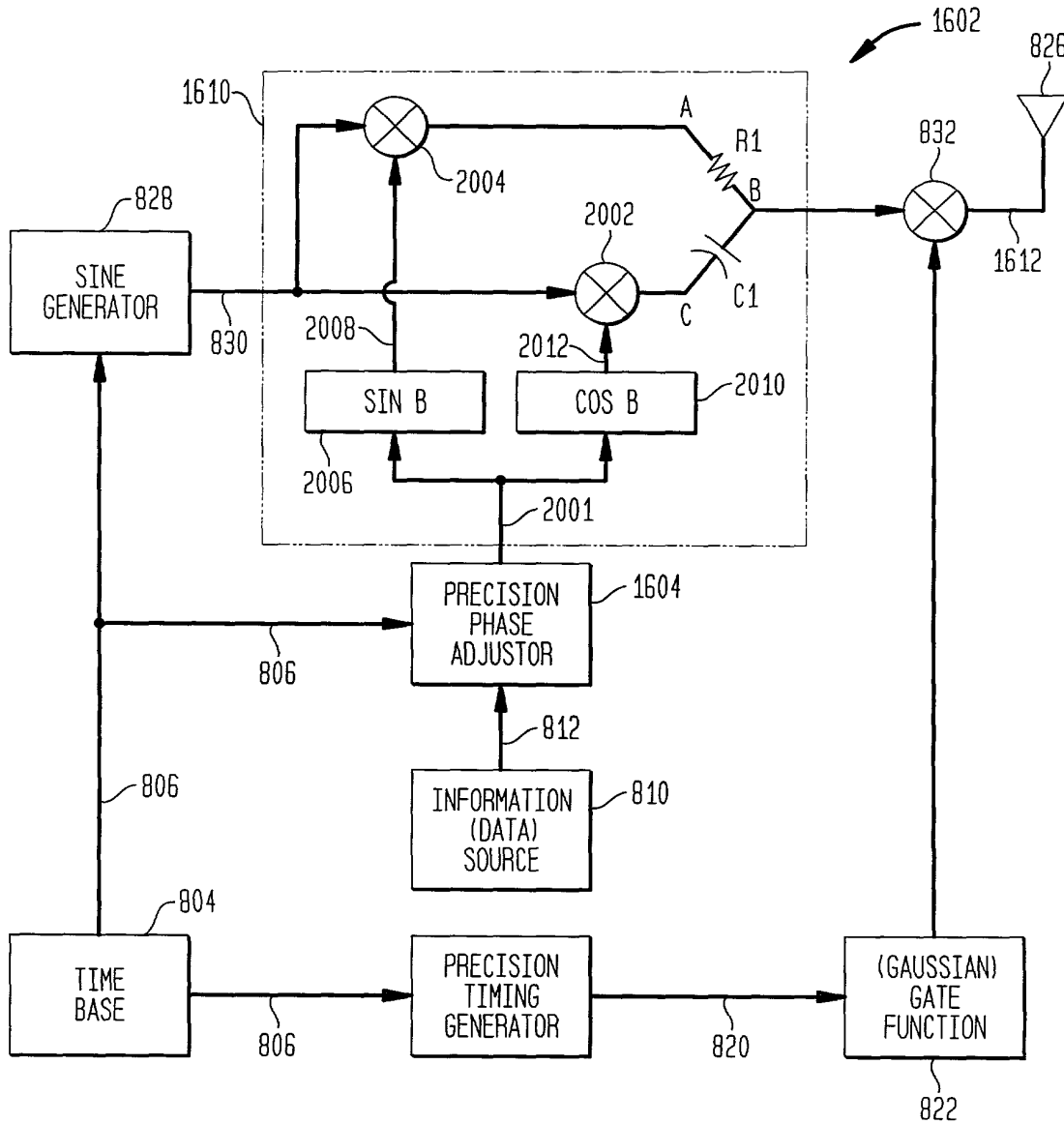


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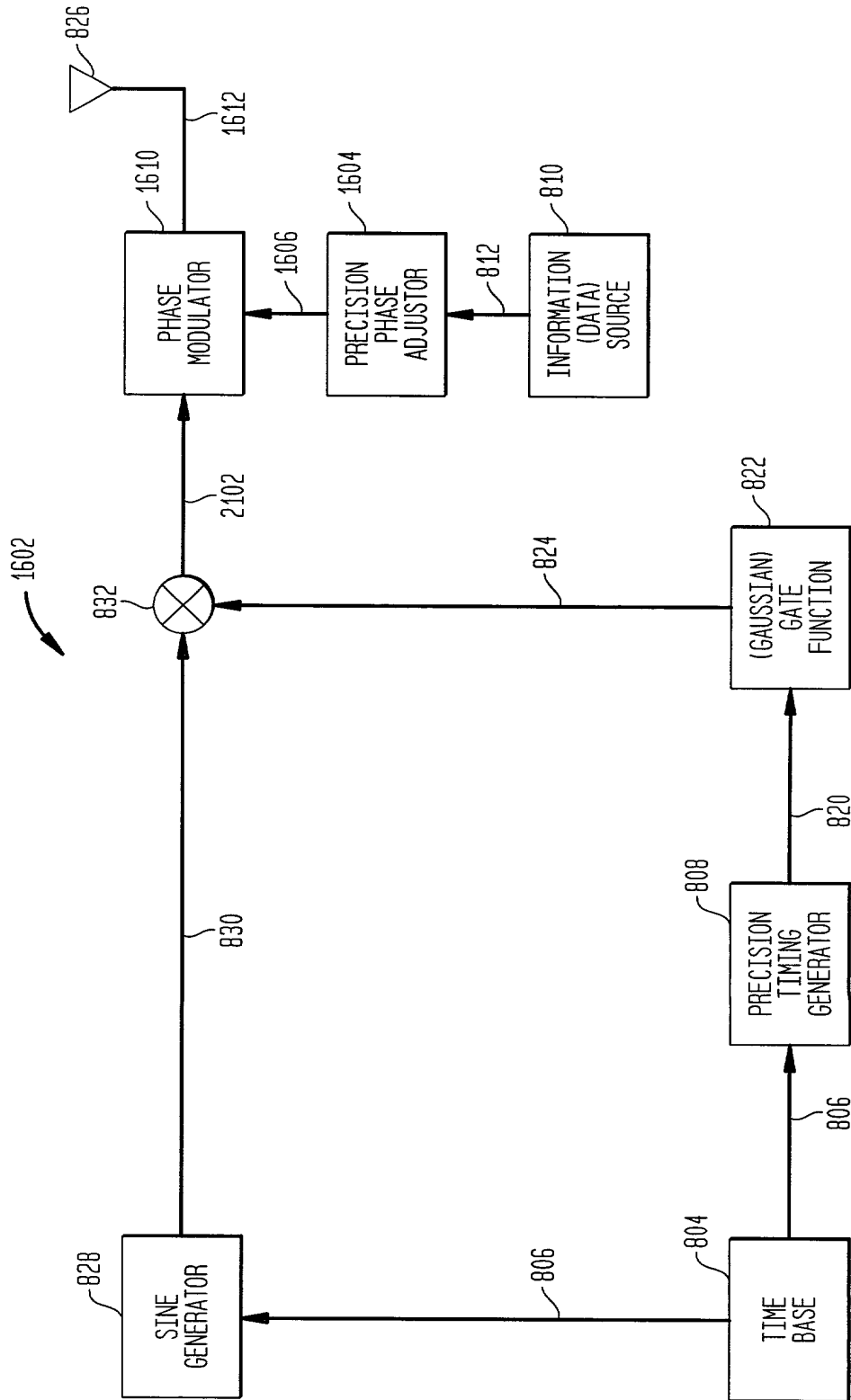
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FIG. 20



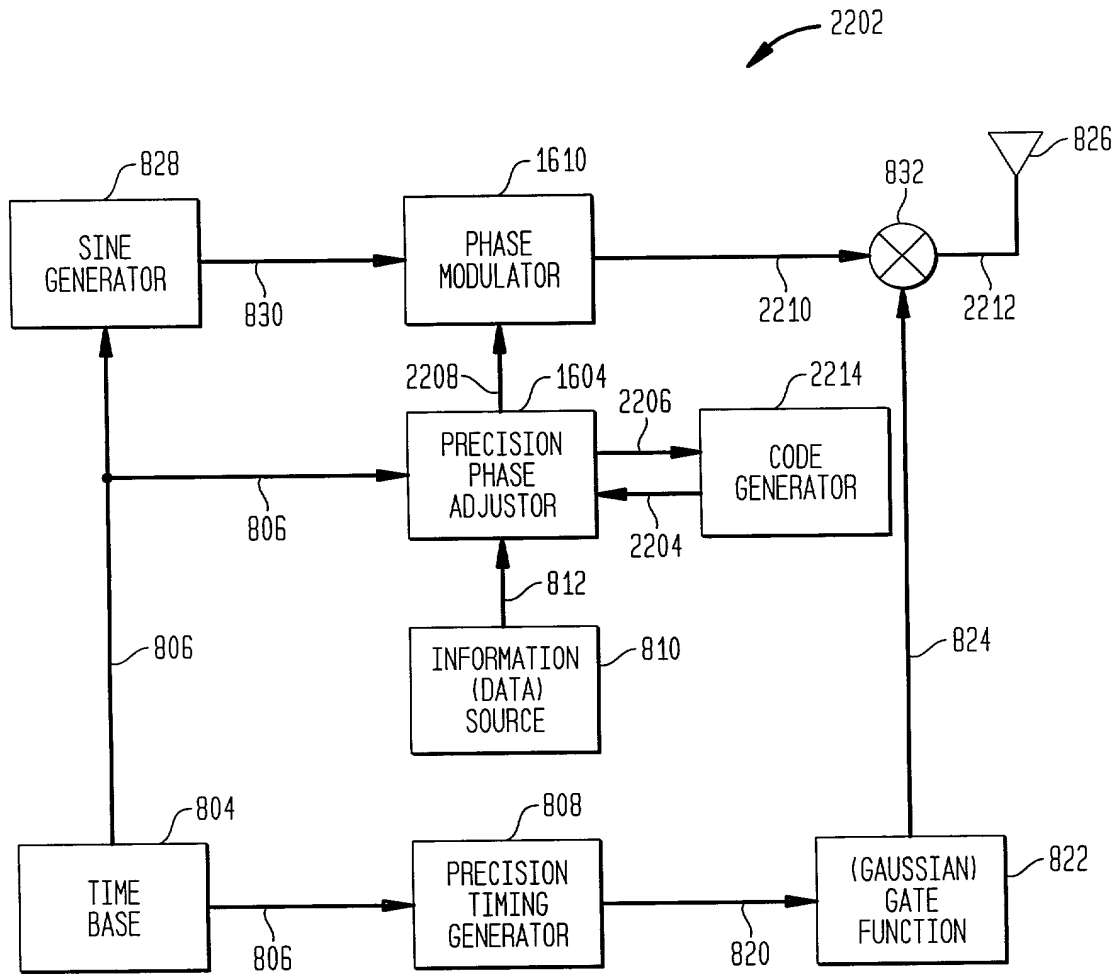
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FIG. 21



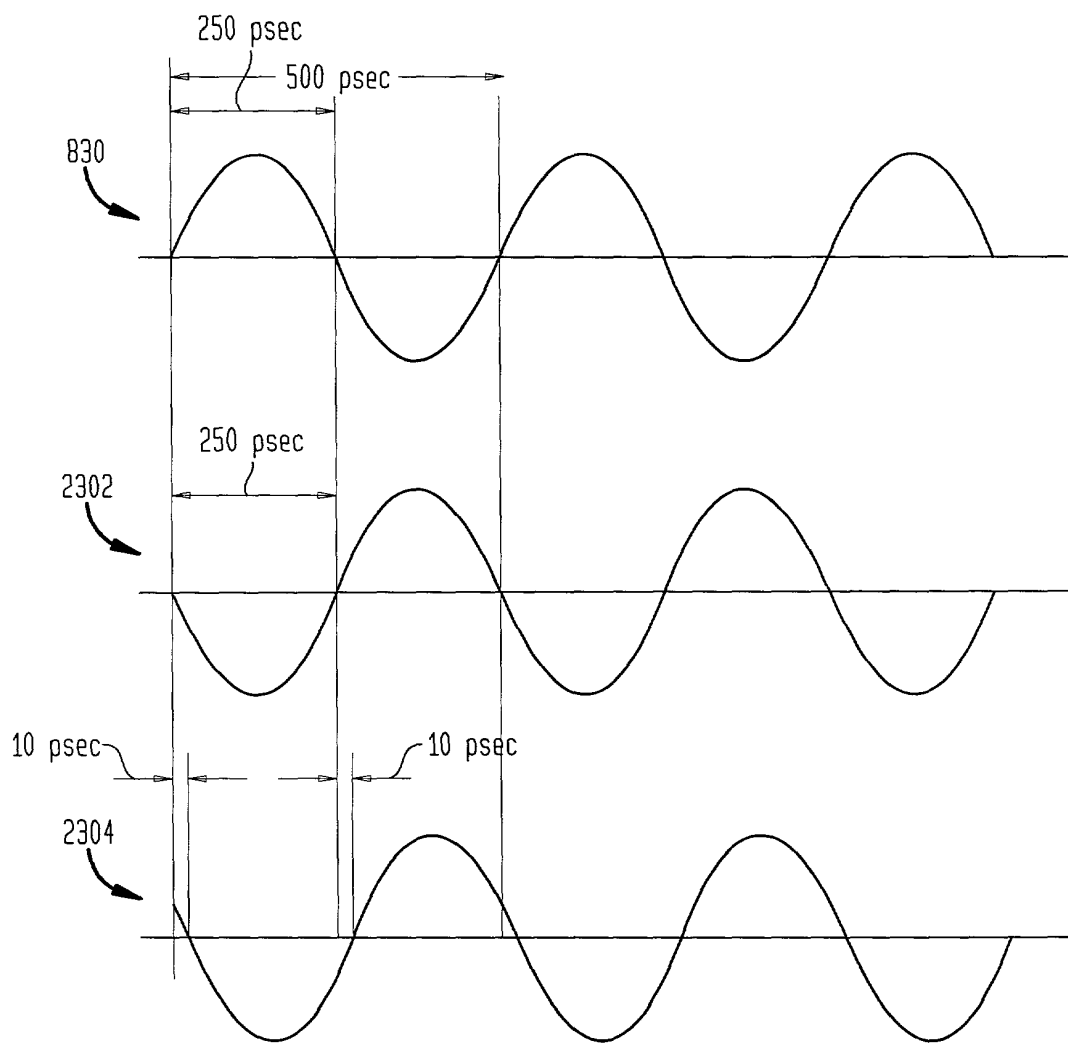
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FIG. 22



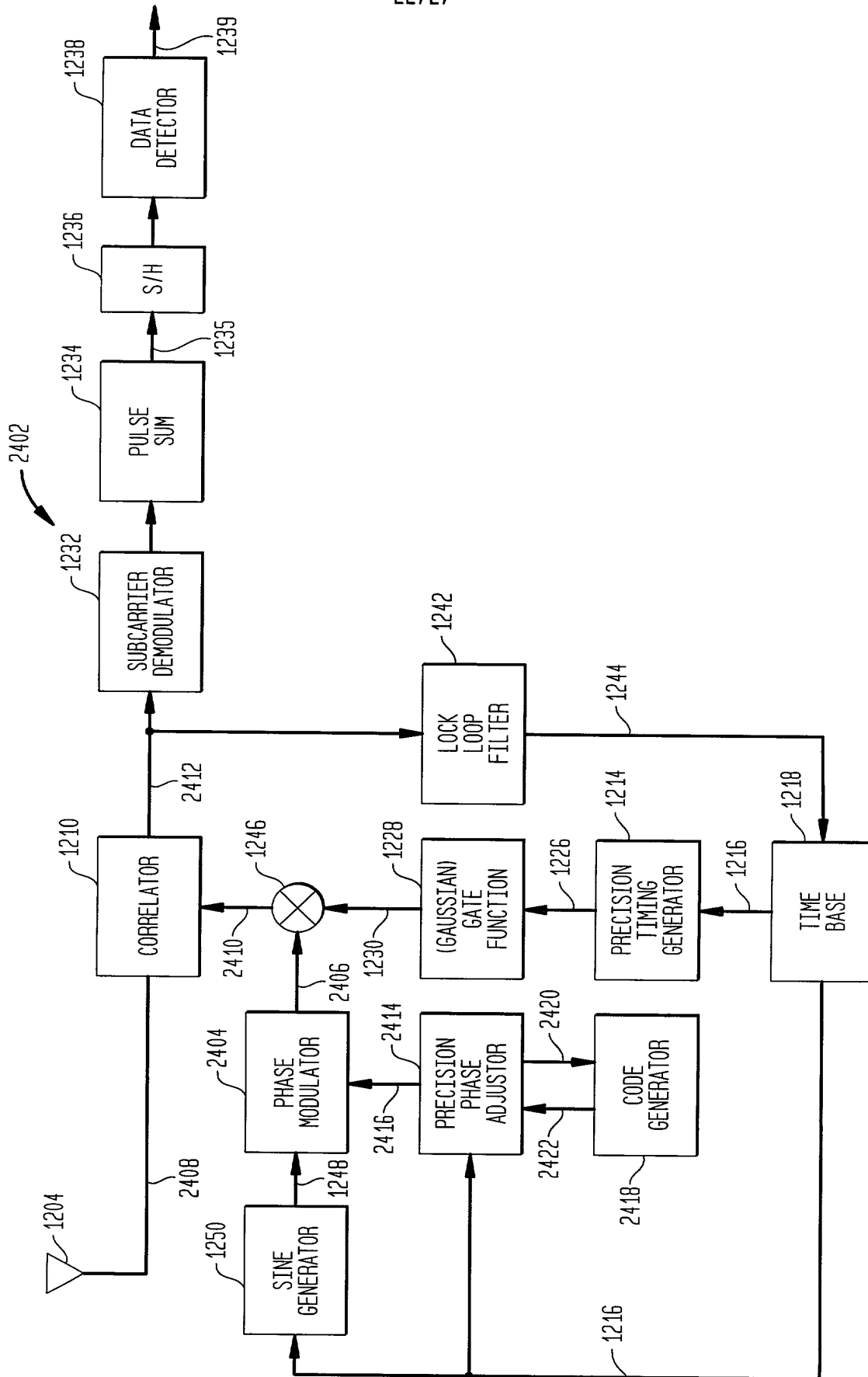
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FIG. 23



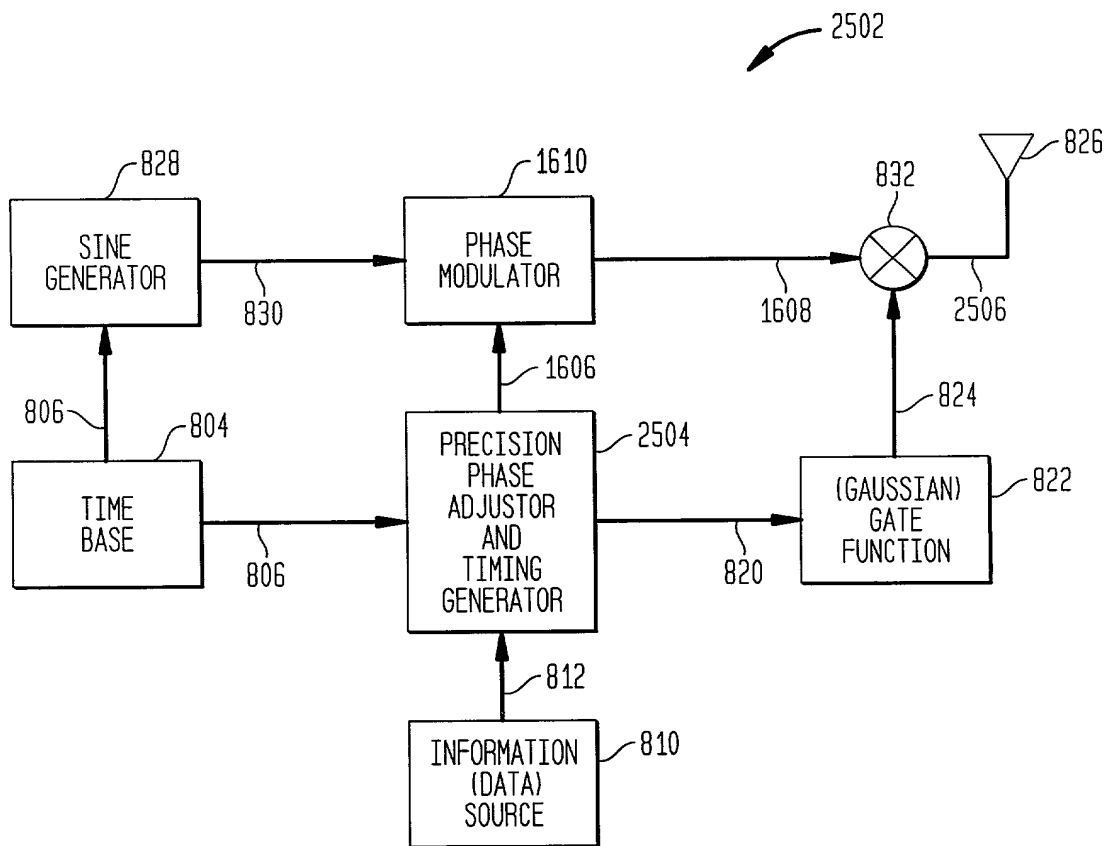
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FIG. 24



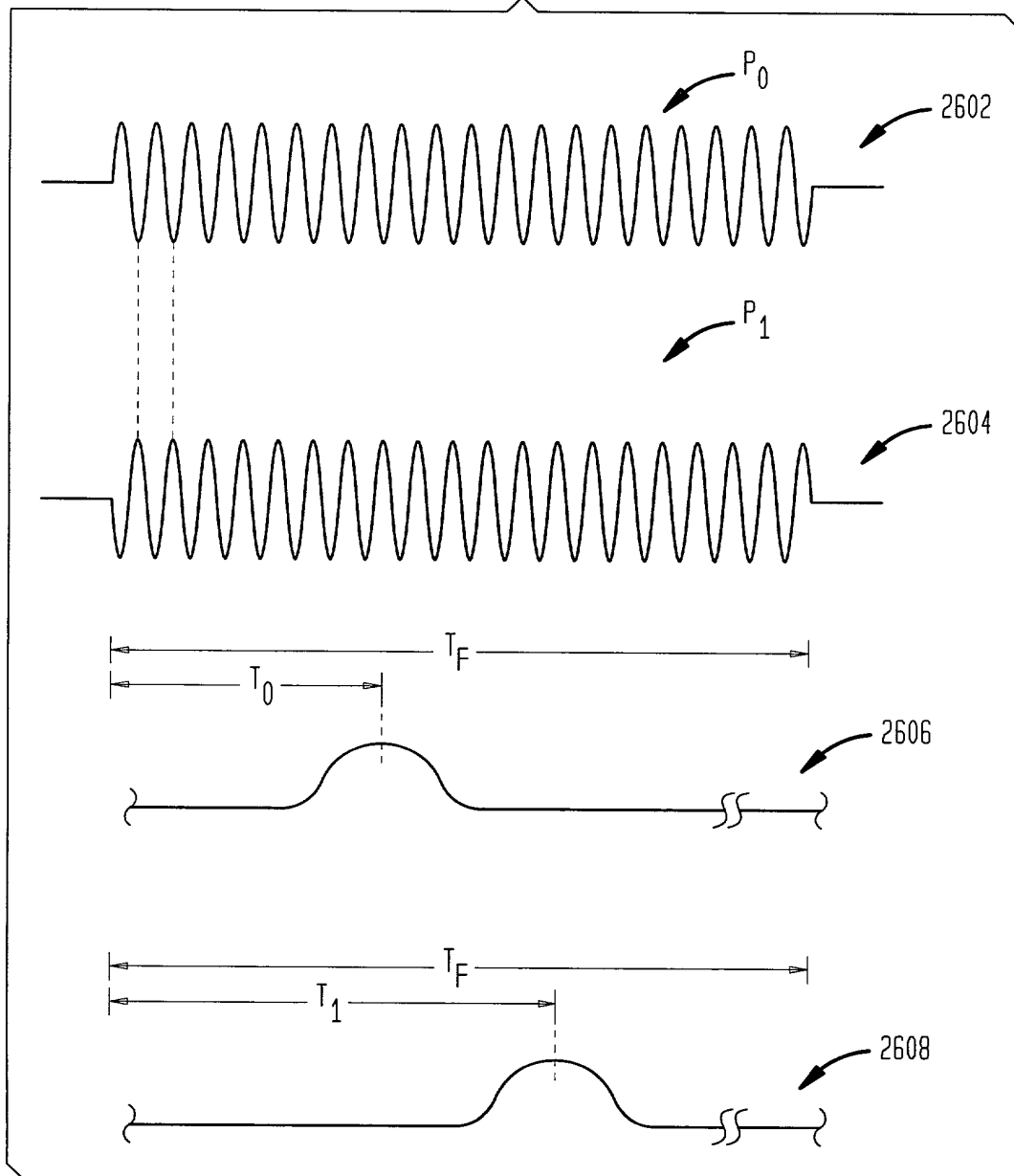
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FIG. 25



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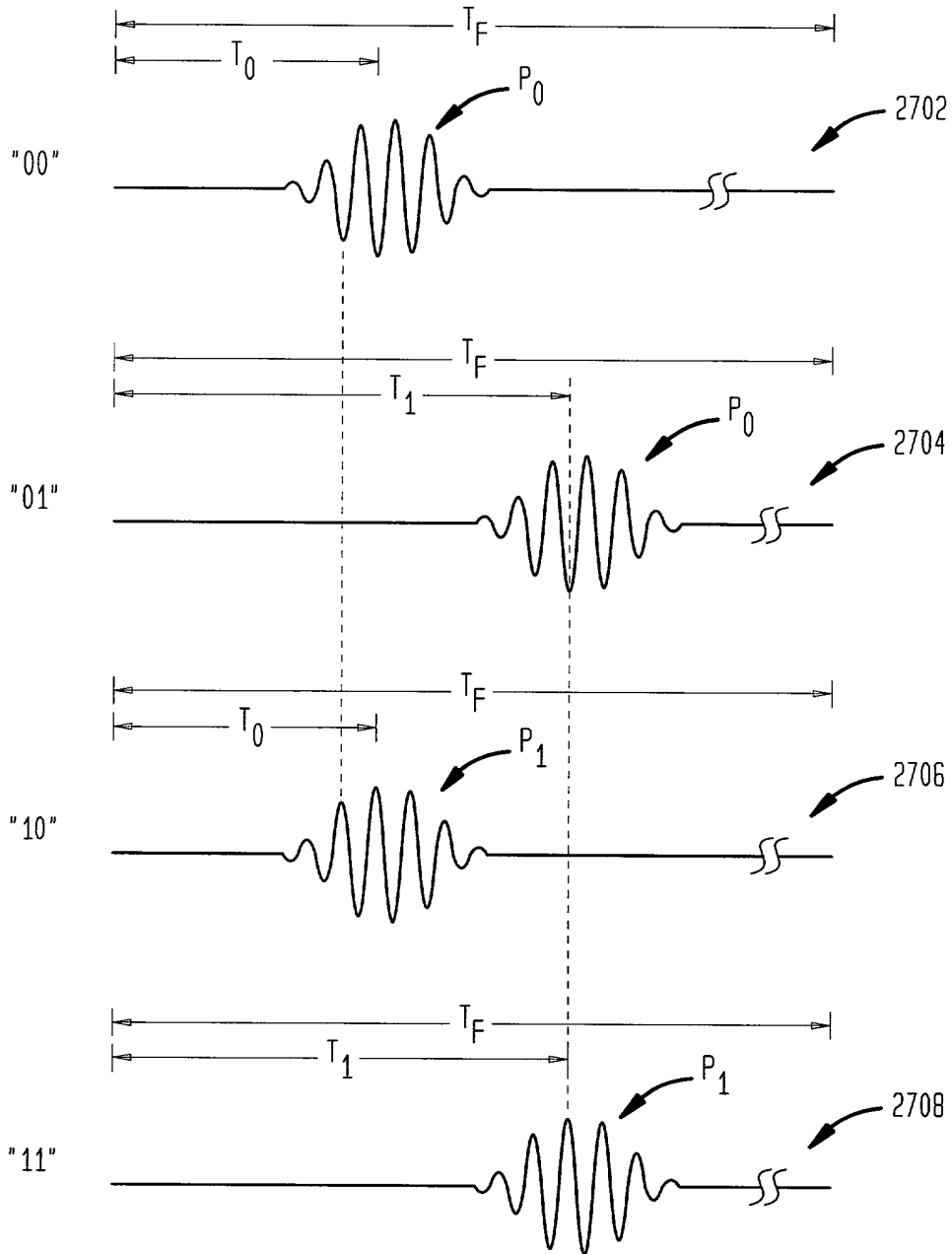
FIG. 26





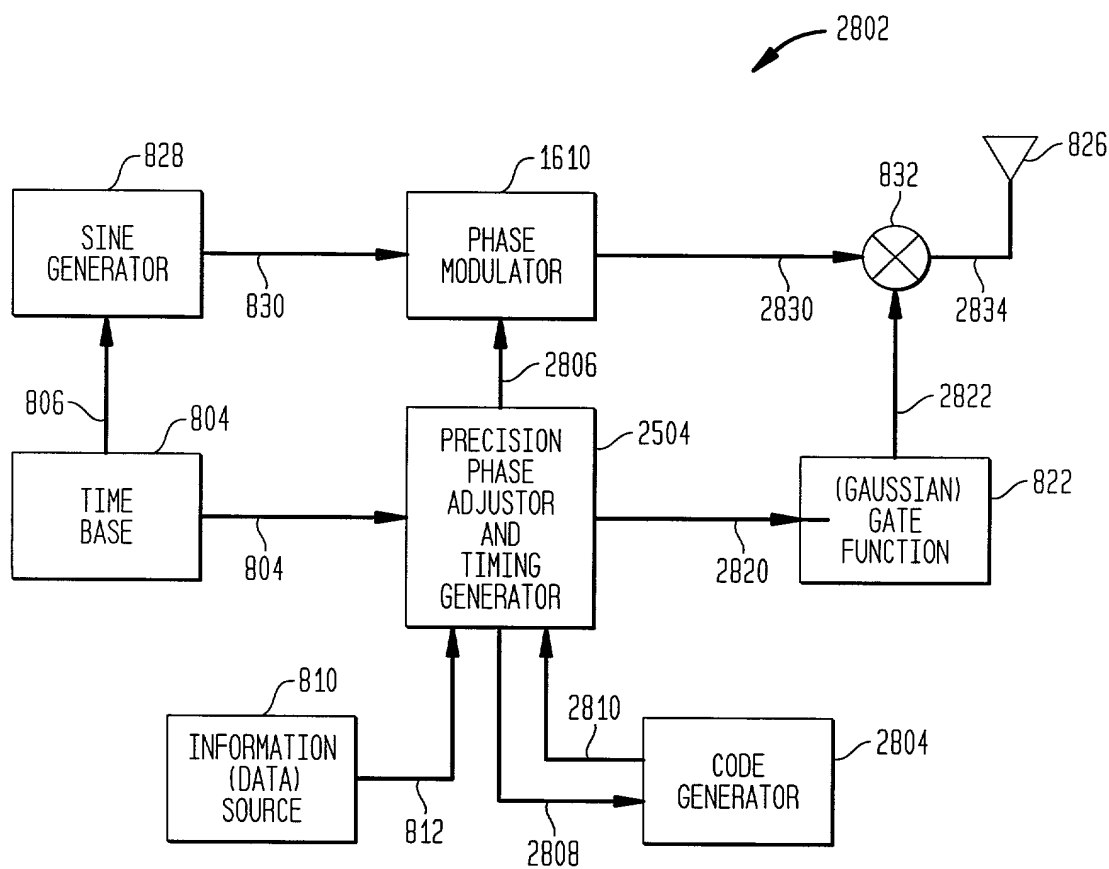
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FIG. 27



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FIG. 28



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FIG. 29

